PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABLE TEV (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	N See Form PC	CT/IPEA/416			
P17115WO	7	(manth (man)	Priority date (day/month/year)			
International application No.	International filing date (day)	monuniyear)	Thomy date (adjunctura)			
PCT/SE2002/002427	19-12-2002					
International Patent Classification (IPC) or national classification and IPC H02G3/04, H05K7/14 // H04K5/02, H05K7/18						
H02G3/04, H05K7/14 //	H04K5/02, H05K	//10				
Applicant						
Telefonaktiebolaget L	M Ericsson (pub	1) et al				
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This report is the international pre Authority under Article 35 and to	ansmitted to the applicant acco	ording to Article				
2. This REPORT consists of a total	of 3 sheets, inc	cluding this cover	sheet.			
This report is also accompanied b	y ANNEXES, comprising:					
a. Sent to the applicant	and to the International Bure	eau) a total of _2	sheets, as follows:			
sheets of the	description, claims and/or draw	wings which have	been amended and are the basis of this report			
and/or sheets	containing rectifications authors ve Instructions).	onzed by this Au	thority (see Rule 70.16 and Section 607 of the			
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beyond the d	isclosure in the international a	application as filed	d, as indicated in item 4 of Box No. I and the			
Supplementa		_				
b (sent to the Internation	onal Bureau only) a total of (in	ndicate type and n	number of electronic carrier(s))			
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Administrative Instru			•			
4. This report contains indications r	elating to the following items:	:				
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Box No. II Priorit	y		,			
Box No. III Non-e	Lightly and industrial applicability					
Box No. IV Lack of						
Box No. V Reason	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial					
1.	applicability; citations and explanations supporting such statement					
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	Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application					
Box No. VIII Certai	n ooservations on the internati	ional application				
Date of submission of the demand	D	Pate of completion	of this report			
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17-05-2004	o	8-02-2009	5 <u></u>			
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Form PCT/IPEA/409 (cover sheet) (January 2004)



International application No.
PCT/SE2002/002427

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any table(s) related to the sequence listing (specify):	
4. This report has been established as if (some of) the amendments annexed to this report and listed below made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplement 70.2(c)).	had not be ital Box (Ri
the description, pages	
the claims, Nos.	
the drawings, sheets/figs	
the sequence listing (specify):	
any table(s) related to the sequence listing (specify):	
* If item 4 applies, some or all of those sheets may be marked "superseded."	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/SE2002/002427

Во	x No. V	Reasoned statement un citations and explanati	der Article 35 ons supportin	5(2) with regard to novelty, inventive step or industrial applicability; g such statement	
ι.	Statement Novel		Claims Claims	1-6	YES NO
	Inven	tive step (IS)	Claims Claims	1-6	YES NO
	Indus	strial applicability (IA)	Claims Claims	1-6	YES NO
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2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: US 5067678 A
D2: US 4937400 A
D3: US 5358011 A
D4: US 6388891 B1
D5: US 5774617 A

Document D1 discloses a cable routing system having a plurality of troughs. The cable routing system is designed to carry optical fiber cables (see column 1 line 40 - line 58).

Document D2 discloses a retaining apparatus for optical conductors. The apparatus defines a rectangular channel in which the conductors are housed (see abstract).

Document D3-D5 represent the relevant prior art to the claimed invention.

The invention according to new claims 1-6, filed with the letter of 2004-11-18, comprises openings for insertion of the cables and the cables are inserted in one end and fed through the duct.

This is not known in any of D1-D5.

The invention according to new claims 1-6, filed with the letter of 2004-11-18, is new and is considered to involve an inventive step. The invention is industrially applicable.

CLAIMS

1. Arrangement for flexible installation of an optical patch cable (PC1) in a telecommunication station (TS) between equipment (AE4, AE7) in the station, the arrangement being characterised by a micro duct (1) for guidance of the patch cable, the duct having duct end openings (E4, E7) related to the equipment, the end openings being adapted to receive the patch cable (PC1) for insertion into the micro duct (1).

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- 2. Arrangement for flexible installation of the optical patch cable according to claim 1 comprising:
 - means for feeding the patch cable (PC1) through the duct (1);
- means for adjusting the patch cable length between the equipment (AE4, AE7);
 - means for assembling a connector (C7) to at least one end of the patch cable.
- 20 3. Arrangement for flexible installation of the optical patch cable according to claim 1 or 2 whereby the duct (1) comprises spliced duct parts (1a, 1b, 1c).
- 4. Arrangement for flexible installation of the optical patch cable according to any of claim 1-3 whereby the duct comprises more than two end openings.

AMENDED SHEET

- 5. Method for flexible installation of an optical patch cable (PC1) in a telecommunication station (TS) between equipment (AE4, AE7) in the station, the method being characterised by the following step:
- 5 - installation of micro duct (1) inthe a telecommunication station (TS), the duct being installed with duct end openings (E4, E7) related to the equipment;
- inserting the patch cable (PC1) into the micro duct

 (1) through one of the end openings (E4, E7);
 - feeding the patch cable (PC1) through the duct (1) and through another one of the end openings (E4, E7);
 - adjusting the patch cable length between the equipment (AE4, AE7);
- assembling a connector (C7) to at least one end of the patch cable.

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6. Method for flexible installation of the optical patch cable according to claim 5 whereby the duct is guided through a cabinet wall entrance in the telecommunication station.

AMENDED SHEET